

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-111  
Relating to Certification of New Motor Vehicles

MITSUBISHI MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Mitsubishi Motors Corporation emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LMT1.5V5FC19    Displacement: 1.5 Liters (89.6 Inches<sup>3</sup>)

Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation    On-Board Diagnostic System  
Three-Way Catalyst            Sequential Multipoint Electronic Fuel Injection  
Oxygen Sensor

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.39	7.0	0.4

The following are the certification emission values for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.21	1.6	0.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

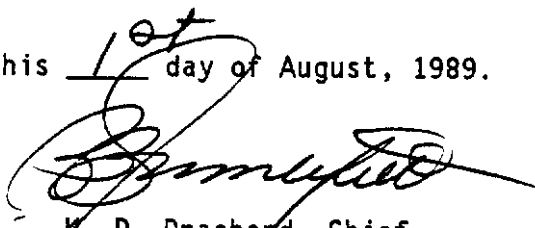
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

This Executive Order rescinds Executive Order A-89-111 issued on June 21, 1989.

Executed at El Monte, California this 10<sup>th</sup> day of August, 1989.



K. D. Drachard, Chief  
Mobile Source Division

17.16.02

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Mfr.: Mitsubishi Motors Corporation Eng. Family: LMT1.5V5FC19

Passenger Cars: X Light-Duty Trucks:    Gas: X  
 Eng. Type: IL4 Liter (CID): 1.5 (89.6) Evap. Family: I  
 Emission Control Sys.: EGR+O2S+TWC+(SMPI+OBD)  
 (Special Features)

Engine: Front X Rear     
 Drive : FWD X RWD    4WD-FT    4WD-PT   

Eng. Code	Vehicle Models	Trans. Type	ETW	Ign. System (ECU/PROM) Part No.	EGR System Part No.	Catalyst Part No.
CM4 ACM4	Dodge Colt Plymouth Colt Mitsubishi Mirage	M4	2500	Distributor T3T64173  ECU E2T33479 E2T36972 \$	EGR Valve K5T50382  Solenoid K5T47172	MD131027 (E3)
CM5 ACM5	Dodge Colt Plymouth Colt Mitsubishi Mirage Eagle Summit	M5	2500 2625 2750			
CA ACA	Dodge Colt Plymouth Colt Mitsubishi Mirage Eagle Summit	L3	2500 2625 2750			
CM-L ACM-L	Dodge Colt Wagon Plymouth Colt Wagon	M5	2625	Distributor T3T64173  ECU E2T33578 E2T33581 \$	EGR Valve K5T50382  Solenoid K5T47172	MD131501 (E4)
CA-L ACA-L	Dodge Colt Wagon Plymouth Colt Wagon	L3	2625 2750			

Note: Refer to §08.13.02 for RLHP.

Date of Issue: \_\_\_\_\_ Revisions: 10-16-89 §

TEST WEIGHT & TEST HORSEPOWER

E.O. # A-86-111

Engine Family: LMT1.5V5FC19

(Engine Family) Car Line	Body Style	T/M Type	Test Weight	Tire	W/O A.C.		With A.C.		A.C. (%)
					Test HP	C/D Time	Test HP	C/D Time	
(1.5EF & 1.5EC) Dodge Colt Plymouth Colt Mitsubishi Mirage Eagle Summit	2-HB	M/T	2500	P155/80R13	6.9	14.30	7.6	13.42	>33
			2625	P155/80R13	---	---	7.6	14.09	
				P175/70R13	7.1	14.41	7.8	13.59	
		A/T	2500	P155/80R13	6.9	13.27	---	---	
			2625	P155/80R13	6.9	13.93	7.6	13.26	
				P175/70R13	7.1	13.70	7.8	12.98	
	4-SD	M/T	2625	P155/80R13 P175/70R13*	7.5	13.86	8.2	13.08	
			2750	P175/70R13	---	---	8.2	13.70	
		A/T	2625	P155/80R13	7.5	13.26	8.2	12.58	
			2750	P155/80R13 P175/70R13*	7.5	13.89	8.2	13.18	
Dodge Colt Wagon Plymouth Colt Wagon Mitsubishi Mirage Wagon	4-SW	M/T	2625	P175/70R13	8.4	13.45	9.2	12.51	
			A/T	2625	P175/70R13	8.4	13.17	---	---
		2750		P175/70R13	---	---	9.2	12.57	

- Notes: 1. W/O A.C. ; Without Air Con.  
 2. Body Style; 2-HB; 2-door hatchback  
 ; 4-SD; 4-door sedan  
 ; 4-SW; 4-door station wagon  
 3. \* ; Test Tire